

## Dealer's Manual

ROAD	MTB	Trekking
City Touring/ Comfort Bike	<b>URBAN SPORT</b>	E-BIKE

# Shifting lever

**METREA**

SL-U5000

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## IMPORTANT NOTICE

- **This dealer's manual is intended primarily for use by professional bicycle mechanics.**

Users who are not professionally trained for bicycle assembly should not attempt to install the components themselves using the dealer's manuals.

If any part of the information on the manual is unclear to you, do not proceed with the installation. Instead, contact your place of purchase or a local bicycle dealer for their assistance.

- Make sure to read all instruction manuals included with the product.
- Do not disassemble or modify the product other than as stated in the information contained in this dealer's manual.
- All dealer's manuals and instruction manuals can be viewed on-line on our website (<http://si.shimano.com>).
- Please observe the appropriate rules and regulations of the country, state or region in which you conduct your business as a dealer.

**For safety, be sure to read this dealer's manual thoroughly before use, and follow it for correct use.**

The following instructions must be observed at all times in order to prevent personal injury and physical damage to equipment and surroundings.

The instructions are classified according to the degree of danger or damage which may occur if the product is used incorrectly.

### DANGER

Failure to follow the instructions will result in death or serious injury.

### WARNING

Failure to follow the instructions could result in death or serious injury.

### CAUTION

Failure to follow the instructions could cause personal injury or physical damage to equipment and surroundings.


## TO ENSURE SAFETY

### WARNING

- **Be sure to follow the instructions provided in the manuals when installing the product.**

It is recommended to use genuine Shimano parts only. If parts such as bolts and nuts become loose or damaged, the bicycle may suddenly fall over, which may cause serious injury.

In addition, if adjustments are not carried out correctly, problems may occur, and the bicycle may suddenly fall over, which may cause serious injury.

-  Be sure to wear safety glasses or goggles to protect your eyes while performing maintenance tasks such as replacing parts.
- After reading the dealer's manual thoroughly, keep it in a safe place for later reference.

### NOTE

#### Be sure to also inform users of the following:

- Be sure to keep turning the crank during the shifting lever operation.
- If gear shifting operations do not feel smooth, wash the derailleur and lubricate all moving parts.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.

#### For Installation to the Bicycle, and Maintenance:




- Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.
- Use an outer casing [OT-SP41] and a cable guide (SM-SP17/SP18) for smooth operation.
- A special grease is used for the gear shifting cable. Do not use premium grease or other types of grease, otherwise they may cause deterioration in gear shifting performance.
- Use an outer casing which still has some length to spare even when the handlebars are turned all the way to both sides. Furthermore, check that the shifting lever does not touch the bicycle frame when the handlebars are turned all the way.
- If gear shifting adjustments cannot be carried out, check the alignment of the fork end and check if the cable is lubricated or if the outer casing is too long or too short.

The actual product may differ from the illustration because this manual is intended mainly to explain the procedures for using the product.

# **LIST OF TOOLS TO BE USED**

## LIST OF TOOLS TO BE USED

The following tools are needed for installation, adjustment, and maintenance purposes.

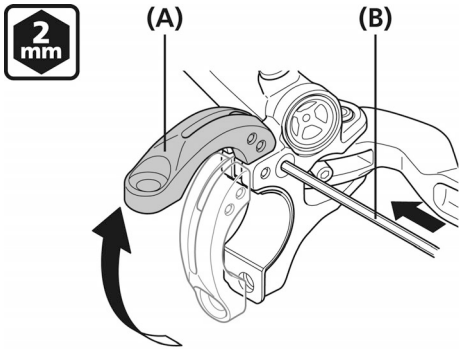
Tool		Tool		Tool	
	2mm Allen key		4mm Allen key		Screwdriver[#1]

# INSTALLATION

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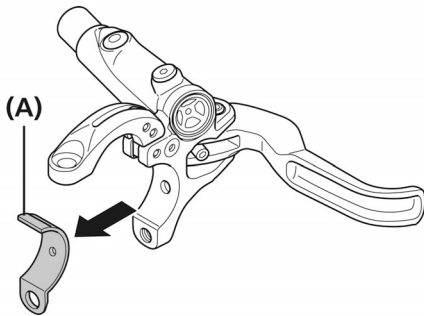
## Installation to the handlebar

1. Use an Allen key to open the clamp band of the brake lever as shown in the illustration.



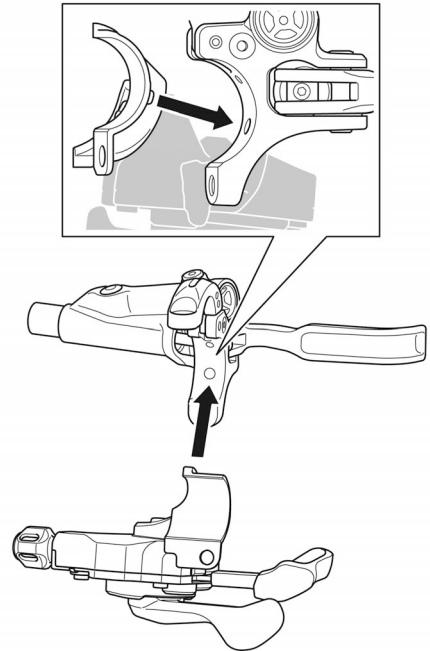
(A) Clamp band  
(B) 2mm Allen key

2. Remove the adapter attached to the inside of the clamp band. Remove any remaining adhesive.

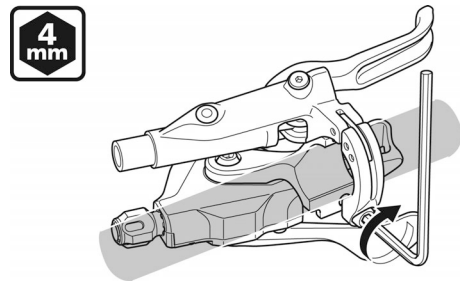


(A) Adapter

3. Insert the protrusion on the shifting lever bracket into the hole in the brake lever bracket.



4. Secure the clamp band of the brake lever with an Allen key.



Tightening torque	
4mm Allen key	
<b>6 - 8 N·m</b>	
<b>{53 - 69 in. lbs.}</b>	

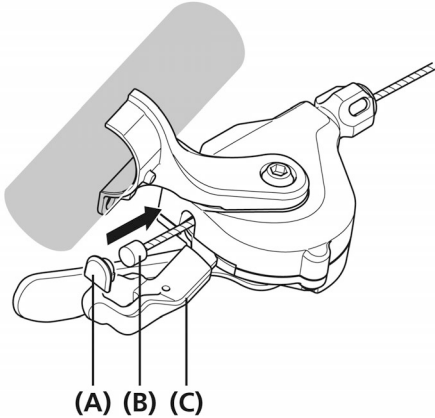


# MAINTENANCE

## MAINTENANCE

### Replacement of the inner cable

- Operate the lever shown in the illustration to set the chain on the smallest chainring/smallest sprocket and then install the inner cable.  
Remove the wire end hooking cap when installing the inner cable.  
\* The illustration is of the rear lever.



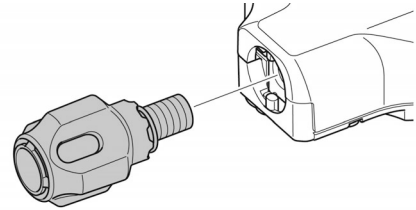
- (A) Wire end hooking cap  
(B) Inner cable  
(C) Lever

Specifications	Lever operation count
2-speed	1 or more times
11-speed	10 or more times

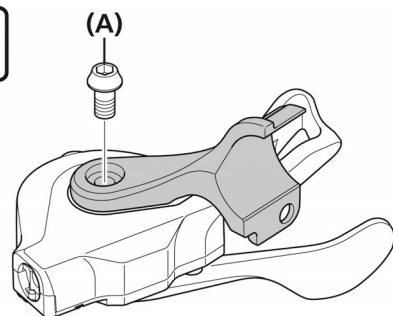
### Replacement and assembly of the shifting lever unit

Disassembly and assembly should only be carried out when replacing the shifting lever unit.

- Loosen the cable fixing bolt (nut) of the front derailleur or rear derailleur, and then pull the inner cable out of the shifting lever unit in the same way as when installing the inner cable.
- Remove the adjustment bolt.



- Remove the unit fixing bolt.



(A) Unit fixing bolt

#### Tightening torque

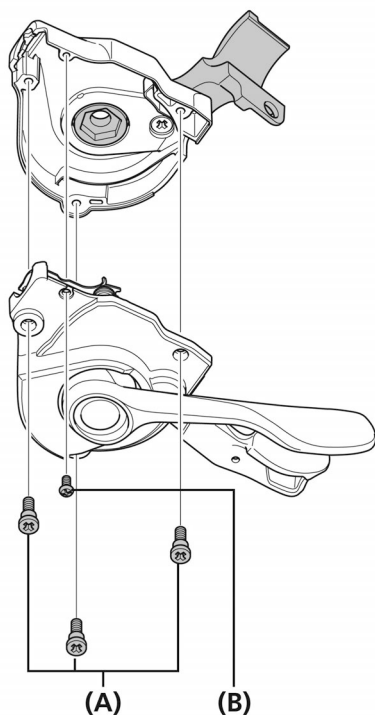
4mm Allen key

**2.5 N·m**

**{22 in. lbs.}**

4. Remove the four shifting lever unit mounting screws, and then remove the shifting lever unit as shown in the illustration.

\* When installing, reverse the procedure.



- (A) Shifting lever unit mounting screw (large)
- (B) Shifting lever unit mounting screw (small)

<b>Shifting lever unit mounting screw (Large) tightening torque</b>
Screwdriver[#1]
<b>0.15 N·m</b> <b>{1.4 in. lbs.}</b>

<b>Shifting lever unit mounting screw (Small) tightening torque</b>
Screwdriver[#1]
<b>0.08 N·m</b> <b>{0.7 in. lbs.}</b>

# SHIMANO

## **SHIMANO AMERICAN CORPORATION**

One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

## **SHIMANO EUROPE B.V.**

Industrieweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222

## **SHIMANO INC.**

3-77 Oimatsu-cho, Sakai-ku, Sakai-shi, Osaka 590-8577, Japan

Please note: specifications are subject to change for improvement without notice. (English)  
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